GIS and the Eclipse:
A New Tool for Emergency Management
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Bonneville County Idaho
Bonneville County Idaho
Needing a New Direction

- Needing to move from paper maps to the digital age.
- Find a new medium to relate to the public.
- Looking for a simple win for GIS as well as a strong tool for OEM.
Great American Eclipse by Michael Zeiler

Waves of people

Great American Eclipse by Michael Zeiler
Interstate 15

- I-15 runs through our county
- Possibility for 200,000 people to the County.
- Bonneville County Population: 114,595
- Eastern Idaho 365,847

Bonneville County Population: 114,595
Quick and easy way to share information with the public.
Bonneville County Total Eclipse 2017

Created By: Bonneville County GIS Department
Webmap App
County and City Regulations for Eclipse
EOC Map Needs

• Bonneville OEM and IMAST teams needed a maps
  - Camp sites
  - Pre-staged emergency response vehicles
  - Command locations
• There was also a need for adding incidents as they happened.
  - Interactively add incident location
  - Use information in the field
Webapp Builder and Survey123

- Information needed for our OEM and IMAST group (Incident Management and Support Team).
  - Creating the Survey123 form with the emergency incidents during the eclipse.
- Store services in ArcGIS Online in case of lost servers.
- Create a webapp, a dashboard webapp, and added data from surrounding counties.
Show selected questions only if the answer to this question is a specific choice.

<table>
<thead>
<tr>
<th>If</th>
<th>Show</th>
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<tbody>
<tr>
<td>New Pre-Staged Location</td>
<td>4. Type of Resource</td>
</tr>
<tr>
<td>New Pre-Staged Location</td>
<td>5. Equipment at Location</td>
</tr>
</tbody>
</table>

Tip: Currently, rules are only supported by Single Choice, Dropdown, Likert and Rating questions.
ArcPro Sharing weblayers

- Needed to host eclipse features in Arcgis Online.
- Great introduction for our Office to Pro.
Utilized the Webapp Builder

- Created Webmap app and a Dashboard
- Utilized the Situation Awareness and Incident Analysis widgets.
- Added the print widget
- Bookmark widget to bookmark the make city areas for quick references.
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Webmap app
Dashboard

- Attendance
  - Hellpad
  - Camping

- Locations
  - Number of locations: 164

- Type of events
  - Distribution of Types of Events

- Field Worker Locations
  - Amount of new collected locations: 11

- Distribution of Field Collection Data
  - Pie Chart Distribution of Collected Data
Exercise and Reality

- IMAST Tabletop Exercise
  - Show case the power of these tools live
  - Training each county emergency management teams

- Setting Active/Inactive in Area Command

- GIS Department split up between EOC and Area Command
Incident and Live Feed

Watching the traffic feed change live on the screen.
Using Survey123 for after action report/meetings.
Thank You

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